

### **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

1. (Cancelled)
2. (Currently Amended) ~~The interface of claim 1~~ An interface having means for presenting items for selection by a user of a data processing system, and having means for executing the items which are selected, said interface comprising:  
means for representing a plurality of interface objects in an object database; and  
means for dynamically associating different ones of said interface objects with a plurality of logical frame presentations based upon data within each of said different ones of said interface objects, wherein at least one of said plurality of interface objects represent at least one attribute of at least one system resource.
3. (Currently Amended) ~~The interface of claim 1~~ An interface having means for presenting items for selection by a user of a data processing system, and having means for executing the items which are selected, said interface comprising:  
means for representing a plurality of interface objects in an object database; and  
means for dynamically associating different ones of said interface objects with a plurality of logical frame presentations based upon data within each of said different ones of said interface objects, wherein at least two of the plurality of interface objects represent a hierarchical relationship between components of the data processing system based upon the data within each of said at least two interface objects.
4. (Previously Presented) The interface of claim 3 wherein the interface objects are dynamically associated according to said hierarchical relationship represented within each of said at least two interface objects.
5. (Currently Amended) ~~The interface of claim 1 further comprising~~ An interface having means for presenting items for selection by a user of a data processing system, and having means for executing the items which are selected, said interface comprising:  
means for representing a plurality of interface objects in an object database;

means for dynamically associating different ones of said interface objects with a plurality of logical frame presentations based upon data within each of said different ones of said interface objects;  
and

means for managing of a screen presentation of the interface objects and a user interaction with said interface objects based upon the data within at least one of the plurality of interface objects.

6. (Original) The interface of claim 2 further comprising means for utilizing a current value of said at least one attribute of said at least one system resource for presentation to said user.

7. (Original) The interface of claim 2 further comprising means for utilizing at least one instance of at least one of said system resources for presentation to said user for informing said user of an availability of said instance of said system resource.

8. (Original) The interface of claim 7 further comprising means for allowing the user to select said instance of said system resource presented to said user.

9. (Original) The interface of claim 2 further comprising means for utilizing a current value of said at least one attribute of said at least one system resource for a validation of a user response.

10. (Currently Amended) ~~The interface of claim 1 further comprising~~ An interface having means for presenting items for selection by a user of a data processing system, and having means for executing the items which are selected, said interface comprising:

means for representing a plurality of interface objects in an object database;

means for dynamically associating different ones of said interface objects with a plurality of logical frame presentations based upon data within each of said different ones of said interface objects;  
and

means for dynamically constructing a command by associating at least one user input value with an option within said at least one of said interface objects.

11. (Previously Presented) The interface of claim 10 further comprising means for executing said command.

12. (Previously Presented) The interface of claim 11 further comprising means for logging said command for later reexecution.

13. (Currently Amended) ~~The interface of claim 1 further comprising~~ An interface having means for presenting items for selection by a user of a data processing system, and having means for executing the items which are selected, said interface comprising:

means for representing a plurality of interface objects in an object database;

means for dynamically associating different ones of said interface objects with a plurality of logical frame presentations based upon data within each of said different ones of said interface objects;  
and

means for constructing and executing a command based on a current state of said data processing system, a plurality of user selections, and data within said interface objects.

14. (Currently Amended) ~~The interface of claim 1 further comprising~~ An interface having means for presenting items for selection by a user of a data processing system, and having means for executing the items which are selected, said interface comprising:

means for representing a plurality of interface objects in an object database;

means for dynamically associating different ones of said interface objects with a plurality of logical frame presentations based upon data within each of said different ones of said interface objects;  
and

means for retrieving said interface objects from said object database in response to said user selected item.

15. (Currently Amended) ~~The interface of claim 1 further comprising~~ An interface having means for presenting items for selection by a user of a data processing system, and having means for executing the items which are selected, said interface comprising:

means for representing a plurality of interface objects in an object database;

means for dynamically associating different ones of said interface objects with a plurality of logical frame presentations based upon data within each of said different ones of said interface objects;  
and

means for iteratively presenting said interface objects to said user dependent upon a plurality of user selections and data within said interface objects.

16. (Currently Amended) ~~The interface of claim 1 further comprising~~ An interface having means for presenting items for selection by a user of a data processing system, and having means for executing the items which are selected, said interface comprising:

means for representing a plurality of interface objects in an object database;

means for dynamically associating different ones of said interface objects with a plurality of logical frame presentations based upon data within each of said different ones of said interface objects;  
and

means for accessing at least one interface object from a plurality of screen presentations.

17. (Currently Amended) ~~The interface of claim 1 further comprising~~ An interface having means for presenting items for selection by a user of a data processing system, and having means for executing the items which are selected, said interface comprising:

means for representing a plurality of interface objects in an object database;

means for dynamically associating different ones of said interface objects with a plurality of logical frame presentations based upon data within each of said different ones of said interface objects;  
and

means for accessing at least one screen presentation from a plurality of interface objects.

18. (Currently Amended) ~~The interface of claim 1 further comprising~~ An interface having means for presenting items for selection by a user of a data processing system, and having means for executing the items which are selected, said interface comprising:

means for representing a plurality of interface objects in an object database;

means for dynamically associating different ones of said interface objects with a plurality of logical frame presentations based upon data within each of said different ones of said interface objects;  
and

means for altering the object database from within the interface during a session of execution of said interface, and means for reflecting an altered interface during a same session of execution of said interface.

19. (Currently Amended) ~~The interface of claim 1 further comprising~~ An interface having means for presenting items for selection by a user of a data processing system, and having means for executing the items which are selected, said interface comprising:

means for representing a plurality of interface objects in an object database;

means for dynamically associating different ones of said interface objects with a plurality of logical frame presentations based upon data within each of said different ones of said interface objects;  
and

means for altering said object database by creating at least one new interface object.

20. (Previously Presented) The interface of claim 3 further comprising means for directly entering said hierarchical relationship by entering interface objects at least one of a plurality of locations within said hierarchy.

21. (Currently Amended) ~~The interface of claim 1 further comprising~~ An interface having means for presenting items for selection by a user of a data processing system, and having means for executing the items which are selected, said interface comprising:

means for representing a plurality of interface objects in an object database;

means for dynamically associating different ones of said interface objects with a plurality of logical frame presentations based upon data within each of said different ones of said interface objects;  
and

means for displaying said logical frame presentations by a plurality of graphical libraries.

22. (Currently Amended) ~~The interface of claim 1 further comprising~~ An interface having means for presenting items for selection by a user of a data processing system, and having means for executing the items which are selected, said interface comprising:

means for representing a plurality of interface objects in an object database;

means for dynamically associating different ones of said interface objects with a plurality of logical frame presentations based upon data within each of said different ones of said interface objects;  
and

means, within said interface objects, for representing said items in said logical frame presentation in at least one of a plurality of ways dependent upon a graphical context.

23. (Currently Amended) ~~The interface of claim 1 further comprising~~ An interface having means for presenting items for selection by a user of a data processing system, and having means for executing the items which are selected, said interface comprising:

means for representing a plurality of interface objects in an object database;

means for dynamically associating different ones of said interface objects with a plurality of logical frame presentations based upon data within each of said different ones of said interface objects;  
and

means, within said interface objects, for representing said items in said logical frame presentation in at least one of a plurality of ways dependent upon a linguistic context.

24. (Currently Amended) ~~The interface of claims 1 further comprising~~ An interface having means for presenting items for selection by a user of a data processing system, and having means for executing the items which are selected, said interface comprising:

means for representing a plurality of interface objects in an object database;

means for dynamically associating different ones of said interface objects with a plurality of logical frame presentations based upon data within each of said different ones of said interface objects;  
and

means for accessing a screen library having means for indicating to said user a number of said items in said logical frame presentation currently outside of a visual careen presentation to said user.

25. (Currently Amended) ~~The interface of claim 1 further comprising~~ An interface having means for presenting items for selection by a user of a data processing system, and having means for executing the items which are selected, said interface comprising:

means for representing a plurality of interface objects in an object database;

means for dynamically associating different ones of said interface objects with a plurality of logical frame presentations based upon data within each of said different ones of said interface objects;  
and

means for providing at least one logical frame presentation dependent upon at least one access control policy applied to said plurality of interface objects.

26-29. (Cancelled)

30. (Currently Amended) ~~The method of claim 29 further comprising~~ A method for presenting items for selection by a user of a data processing system, said method comprising:

representing a plurality of interface objects in an object database;

dynamically associating different ones of said interface objects with a logical frame presentation having a hierarchical relationship between at least two of said interface objects wherein the logical frame presentation has a lower level interface object associated with a higher level interface object based upon data within the lower level interface object;

using an identifier associated with the higher level interface object to search for lower level interface objects having this identifier within the data; and

sending all interface objects meeting the identifier as a search key to a screen library as the logical frame presentation for display.

31. (Currently Amended) ~~The method of claim 29~~ A method for presenting items for selection by a user of a data processing system, said method comprising:

representing a plurality of interface objects in an object database; and

dynamically associating different ones of said interface objects with a logical frame presentation having a hierarchical relationship between at least two of said interface objects wherein the logical frame presentation has a lower level interface object associated with a higher level interface object based upon data within the lower level interface object, wherein the higher level interface object is a collection of lower level interface objects found in the object database at any one time to have a same search key.

32. (Currently Amended) ~~The method of claim 29 further comprising~~ A method for presenting items for selection by a user of a data processing system, said method comprising:

representing a plurality of interface objects in an object database;

dynamically associating different ones of said interface objects with a logical frame presentation having a hierarchical relationship between at least two of said interface objects wherein the logical frame presentation has a lower level interface object associated with a higher level interface object based upon data within the lower level interface object; and

enabling a user to extend a user interface at a location within the hierarchy by adding to the object database additional lower level interface objects meeting a search key criteria at the location.

33. (Previously Presented) The method of claim 32 further comprising sending the additional lower level objects to the screen library as the logical frame presentation without re-compilation when a desired environment requiring the logical frame presentation is next entered by a user interface user.